

ABSTRACT

A longwall support in a mine that comprises a plurality of longwall support units. The longwall support units are supported relative to a conveyor by stays that comprise cylinder-piston units. A control system with data acquisition, data storage, and programming is used to adapt the distribution of the staying forces over the length of the longwall, the sum of the staying forces acting upon the length of the longwall (total staying force), and the distribution of the advance forces over the length of the longwall continuously to the desired position of the conveyor. As a result, it is possible to influence the total staying force by the number of the stays with respect to an adjustable maximum, or the total staying force by controlling the longitudinal forces of the individual stays, or the total staying force as a function of at least one of the end positions of the conveyor.

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